INDEX TO VOLUME 50

AUTHORS INDEX

A

ALEXANDER, STUART C., FIEGIEL, STEVEN J., AND CLASS, ROBERT N. Congenital absence of the left pulmonary artery, 465

ALIMURUNG, MARIANO M., HERRERA, FLORENTINO, JR., GUYTINGCO, ANTONIO, AND CRUZ, PEDRO M. Heart disease in the Philippines, 293

ALLEN, FRANCES. (*See* Dimond, Allen, and Moriarity), 651

ALLENSTEIN, B. J., AND KORNBLUTH, ALFRED W. Variations in direct spatial vectorcardiograms resulting from altered placement of electrodes in the cube system, 382

ALVAREZ, ATDEMAR J. (*See* Rosenbaum and Alvarez), 492

ANDERSON, ARTHUR A. (*See* Milch, Zimdahl, Egan, Hsia, Anderson, and David), 483

ARAVANIS, C., AND LUISADA, A. A. Ventricular aneurysm with calcification of the heart, 940

ARI, RECEP, HARVEY, W. PROCTOR, AND HUFNAGEL, CHARLES A. Etiology of hoarseness associated with mitral stenosis: improvement following mitral surgery, 153

ARONS, WALTER L. (*See* Lown, Arons, Ganong, Vazifdar, and Levine), 760

AXÉN, OLIVER. (*See* Bülow, Biörck, Axén, Krook, Wulff, and Winblad), 242

AZAN, LUIS. (*See* Castellanos, Toca, Azan, and Calviño), 770

B

BAUERSFELD, S. R. (*See* Van Lingen and Bauersfeld), 13

BAYLEY, ROBERT H. The normal potential variations on the extremity, back, and precordial electrodes with reference to central terminals of zero and nonzero potential, 694

——. Vector analysis of the T-deflection of the electrocardiogram, 844

BEAZLEY, H. LISTON. (*See* Moyer and Beazley), 136

BECU, LUIS M., TAUXE, W. NEWLON, DUSHANE, JAMES W., AND EDWARDS, JESSE E. A complex of congenital cardiac anomalies: ventricular septal defect, biventricular origin of the pulmonary trunk, and subaortic stenosis, 901

BELL, MURRAY F. (*See* Bolt and Bell), 331

BENNETT, ALENE. (*See* Nelson, May, Bennett, Kobayashi, and Gregory), 172

BERKOWITZ, DONALD. (*See* Likoff, Berkowitz, Geyer, Strauss, and Reale), 163

BERMAN, REUBEN. Reverse Wenckebach periods: five cases of an unstable form of partial auriculoventricular block, 211

BERNATH, J., GUILLEMOT, R., SAMUEL, P., AND HEIM DE BALSAC, R. Vena cava inferior ligation in congestive heart failure, 112

BERREKLOUW, S. (*See* Durrer, van der Tweel, Berreklouw, and van der Wey), 860

BESSMAN, ALICE N., and EVANS, JOHN M. The blood ammonia in congestive heart failure, 715

BIÖRCK, GUNNAR. (*See* Bülow, Biörck, Axén, Krook, Wulff, and Winblad), 242

BJÖRK, VIKING OLOV, AND MALMSTRÖM, GUNNAR. Simultaneous left and right atrial pressure curves during Valsalva's experiment, 742

—— AND ——. The diagnosis of aortic stenosis, 303

BLADIER, B. (*See* De Comnène, Bladier, Colombani, and Bonifaci), 666

BLOUNT, S. GILBERT, JR. (*See* McCord and Blount), 731

BOLT, WILLIAM, AND BELL, MURRAY F. Cardiac enlargement of undetermined cause in asymptomatic adults, 331

BONIFACI, J. (*See* De Comnène, Bladier, Colombani, and Bonifaci), 666

BRAUNWALD, EUGENE, DONOSO, EPHRAIM, SAPIN, SAMUEL O., AND GRISHMAN, ARTHUR. A study of the electrocardiogram and vectorcardiogram in congenital heart disease, 591

——, SAPIN, SAMUEL O., DONOSO, EPHRAIM, AND GRISHMAN, ARTHUR. A study of the electrocardiogram and vectorcardiogram in congenital heart disease. III. Electrocardiographic and vectorcardiographic findings in various malformations, 823

——. (*See* Donoso, Sapin, Braunwald, and Grishman), 674

BREM, THOMAS H., AND KONWALER, BENJAMIN E. Fatal myocarditis due to emetine hydrochloride, 476

BRENEMAN, GERALD M., AND PRIEST, EDWARD MC CALL. Experience with phenylindanedione in the management of acute myocardial infarction, 129

BRIGULIO, ALFRED E. (*See* Kistin, Evans, and Brigulio), 634
BRODY, DANIEL A., HARRIS, THOMAS R., AND ROMANS, WILLIAM E. A simple method for obtaining esophageal electrocardiograms of good diagnostic quality, 923
——. The axostat, 610
BROSTOFF, PHILLIP. (*See* Contro and Brostoff), 543
BRUNNER, RICHARD A. (*See* Janton, Brunner, O'Neill, and Glover), 948
BÜLOW, KNUT, BIÖRCK, GUNNAR, AXÉN, OLIVER, KROOK, HANS, WULFF, HELGE B., AND WINBLAD, STEN. Studies in mitral stenosis. VI. Pulmonary vessels in mitral stenosis, 242
BURCH, G. E. Theoretic considerations of the time course of pressure developed and volume ejected by the normal and dilated left ventricle during systole, 352

C

CALLAHAN, JOHN A. (*See* Shepherd, Callahan, DuShane, Kirklin, and Wood), 225
CALVIÑO, JOSE M. (*See* Castellanos, Toca, Azan, and Calviño), 770
CARMICHAEL, DAVID B. The corrected Q-T duration in acute and convalescent rheumatic fever, 528
CASTELLANOS, AGUSTIN, JR., TOCA, RUBEN LOPEZ, AZAN, LUIS, AND CALVIÑO, JOSE M. Paroxysmal nodal tachycardia with retrograde heart block, reciprocal rhythm, and blocked reciprocal beats, 770
CHENG, TSUNG O. (*See* Miller, Cheng, and Freedman), 567
CLASS, ROBERT N. (*See* Alexander, Fiegiel, and Class), 465
COLOMBANI, F. (*See* De Comnène, Bladier, Colombani, and Bonifaci), 666
CONTRO, STEPHEN, AND BROSTOFF, PHILLIP. Pulmonic stenosis with left-to-right ventricular shunt, 543
COOPER, HENRY R. (*See* Hurst and Cooper), 782
CRUZ, PEDRO M. (*See* Alimurung, Herrera, Guytingco, and Cruz), 293

D

DAVID, JOSEPH. (*See* Milch, Zimdahl, Egan, Hsia, Anderson, and David), 483
DE COMNÈNE, J. STEPHANOPOLI, BLADIER, B., COLOMBANI, F., AND BONIFACI, J. Studies of the atriogram, 666
DEMUTH, GEORGE R., AND LANDING, BENJAMIN H. The occurrence and possible significance of generalized vascular disease in idiopathic cardiac hypertrophy, 643
DICK, H. LENOX H., AND MCCAWLEY, ELTON L. A comparison study of drugs in experimental and clinical auricular fibrillation, 442
DIMOND, E. GREY, ALLEN, FRANCES, AND MORIARITY, LAUREN R. The clinical picture of endocardial fibroelastosis, 651
DOCK, W., GRANDELL, F., AND TAUBMAN, F. The physiologic third heart sound: its mechanism and relation to protodiastolic gallop, 449
DOCTOR, L. R. (*See* Lindo and Doctor), 218
DONOSO, EPHRAIM, SAPIN, SAMUEL O., BRAUNWALD, EUGENE, AND GRISHMAN, ARTHUR. A study of the electrocardiogram and vectorcardiogram in congenital heart disease, 674
——. (*See* Braunwald, Donoso, Sapin, and Grishman), 591
——. (*See* Braunwald, Sapin, Donoso, and Grishman), 823
DORRIS, EVA R. (*See* Kory, Townes, Mabe, Dorris, and Meneely), 308
DURRER, D., VAN DER TWEEL, L. H., BERREKLOUW, S., AND VAN DER WEY, L. P. Spread of activation in the left ventricular wall of the dog. IV. Two and three dimensional analysis, 860
DUSHANE, JAMES W. (*See* Becu, Tauxe, DuShane, and Edwards), 901
——. (*See* Shepherd, Callahan, DuShane, Kirklin, and Wood), 225

E

EDDLEMAN, E. E., JR. (*See* Frederick, Thomas, Knowles, Tucker, and Eddleman), 416
——. (*See* Thomas, Frederick, Knowles, Reeves, Pappas, and Eddleman), 424
EDWARDS, JESSE E. (*See* Becu, Tauxe, DuShane, and Edwards), 901
——. (*See* Rogers, Waldon, Murphey, and Edwards), 777
EGAN, RICHARD W. (*See* Milch, Zimdahl, Egan, Hsia, Anderson, and David), 483
ELSTER, SAMUEL K., AND WOOD, HARRISON F. Studies of C-reactive protein in patients with rheumatic heart disease, 706
ENSELBERG, CHARLES D. (*See* Gross, Kepes, Young, and Enselberg), 373
EVANS, JOHN M. (*See* Bessman and Evans), 715
——. (*See* Kistin, Evans, and Brigulio), 634

F

FASSBENDER, H. G. The incidence of rheumatic endocarditis, 537
FIEGIEL, STEVEN J. (*See* Alexander, Fiegiel, and Class), 465
FREDERICK, WILLIAM H. (*See* Thomas, Frederick, Knowles, Reeves, Pappas, and Eddleman), 424
——, THOMAS, H. DUKE, KNOWLES, JOHN L., TUCKER, WILLIAM T., AND EDDLEMAN, E. E., JR. The ballistocardiogram of the normal dog, 416
FREEDMAN, MYRON E. (*See* Miller, Cheng, and Freedman), 567
FRIEDMAN, BEN, AND OLANSKY, S. Diagnosis of syphilitic cardiovascular disease with special reference to treponemal immobilization tests, 323

FRITZ, WILLIAM F., AND SJOERDSMA, ALBERT. The possible significance of a T-wave variant as determined from its age distribution and prevalence prior to myocardial infarction, 203

G

GANONG, WILLIAM F. (*See* Lown, Arons, Ganong, Vazifdar, and Levine), 760
GEYER, SAMUEL V. (*See* Likoff, Berkowitz, Geyer, Strauss, and Reale), 163
GIL, JAVIER ROBLES, RODRIGUEZ, HECTOR, AND IBARRA, JUAN JOSE. Incidence of asymptomatic, active rheumatic cardiac lesions in patients submitted to mitral commissurotomy and the effect of cortisone on these lesions, 912
GLOVER, ROBERT P. (*See* Janton, Brunner, O'Neill, and Glover), 948
GOLDBERG, HARRY. (*See* Nichols, Likoff, Goldberg, and Lisan), 577
GOLLAN, FRANK. (*See* Tysinger, Grace, and Gollan), 816
GRACE, JAMES T. (*See* Tysinger, Grace, and Gollan), 816
GRANDELL, F. (*See* Dock, Grandell, and Taubman), 449
GREGORY, RAYMOND. (*See* Nelson, May, Bennett, Kobayashi, and Gregory), 172
GRISHMAN, ARTHUR. (*See* Braunwald, Donoso, Sapin, and Grishman), 591
——. (*See* Braunwald, Sapin, Donoso, and Grishman), 823
——. (*See* Donoso, Sapin, Braunwald, and Grishman), 674
GROSS, DESIDERIO. The auricular T wave and its correlation to the cardiac rate and to the P wave, 24
GROSS, HARRY, KEPES, EDITH R., YOUNG, DENNISON, AND ENSELBERG, CHARLES D. Electrocardiographic changes during mitral commissurotomy, 373
GUBBAY, ERIC R. Isolated congenital dextrocardia, 356
GUILLEMOT, R. (*See* Bernath, Guillemot, Samuel, and Heim de Balsac), 112
GUYTINGCO, ANTONIO. (*See* Alimurung, Herrera, Guytingco, and Cruz), 293

H

HAEGER, KNUT, JUHLIN, INGMAR, AND KROOK, HANS. Eisenmenger's complex accompanied by double superior venae cavae, the left draining into the left atrium, 471
HARRIS, T. N. Phonocardiographic study of pulmonic-systolic murmurs in children, 805
HARRIS, THOMAS R. (*See* Brody, Harris, and Romans), 923
HARVEY, W. PROCTOR. (*See* Ari, Harvey, and Hufnagel), 153
HEIM DE BALSAC, R. (*See* Bernath, Guillemot, Samuel, and Heim de Balsac), 112
HELM, ROBERT A. The lead vectors of multiple dipoles located on an electrically homogenous circular lamina, 883
HERNDON, RICHARD F., MERONEY, WILLIAM H., AND PEARSON, CARL M. The electrocardiographic effects of alterations in concentration of plasma chemicals, 188
HERRERA, FLORENTINO, JR. (*See* Alimurung, Herrera, Guytingco, and Cruz), 293
HOLZMANN, MAX. Experiences with the rudimentary anterior wall infarction, 407
HORVATH, STEVEN M. (*See* Spurr, Hutt, and Horvath), 551
HSIA, TING WEI. (*See* Milch, Zimdahl, Egan, Hsia, Anderson, and David), 483
HUFNAGEL, CHARLES A. (*See* Ari, Harvey, and Hufnagel), 153
HURST, J. WILLIS, AND COOPER, HENRY R. Neoplastic disease of the heart, 782
HUTT, B. K. (*See* Spurr, Hutt, and Horvath), 551

I

IBARRA, JUAN JOSE. (*See* Gil, Rodriguez, and Ibarra), 912
ISERI, LLOYD T. (*See* Mader and Iseri), 556

J

JANTON, O. HENRY, BRUNNER, RICHARD A., O'NEILL, THOMAS J. E., AND GLOVER, ROBERT P. Amaurosis following mitral commissurotomy, 948
JUHLIN, INGMAR. (*See* Haeger, Juhlin, and Krook), 471

K

KANOF, ABRAM. (*See* Losner, Volk, and Kanof), 100
KAPLAN, SAMUEL. (*See* Scott, Kaplan, and Stiles), 720
KATZ, L. N. (*See* Kohout, Silber, Schlichter, and Katz), 337
KELLY, JOHN J., JR. (*See* Lyons, Zuhdi, and Kelly), 921
KEPES, EDITH R. (*See* Gross, Kepes, Young, and Enselberg), 373
KEYS, ANCEL. (*See* Simonson, Koff, Keys, and Minckler), 260
KIRKLIN, JOHN W. (*See* Shepherd, Callahan, DuShane, Kirklin, and Wood), 225
KISTIN, ALBERT D., EVANS, JOHN M., AND BRIGULIO, ALFRED E. Ebstein's anomaly of the tricuspid valve: angiocardiographic diagnosis, 634
KLEYN, J. B., LEATHAM, A., MAASZ, H., LIAN, C., AND MINOT, G. L. Standardization of phonocardiography, 82
KNOWLES, JOHN L. (*See* Frederick, Thomas, Knowles, Tucker, and Eddleman), 416
——. (*See* Thomas, Frederick, Knowles, Reeves, Pappas, and Eddleman), 424
KOBAYASHI, MITSU. (*See* Nelson, May, Bennett, Kobayashi, and Gregory), 172
KOFF, SHELDON. (*See* Simonson, Koff, Keys, and Minckler), 260
KOHOUT, F. W., SILBER, E. N., SCHLICHTER, J. G., AND KATZ, L. N. The dynamics of the Eisenmenger complex. II, 337
KONWALER, BENJAMIN E. (*See* Brem and Konwaler), 476

KORNBLUTH, ALFRED W. (*See* Allenstein and Kornbluth), 382
KORY, ROSS C., TOWNES, ALEXANDER S., MABE, ROBERT E., DORRIS, EVA R., AND MENEELY, GEORGE R. Drug evaluation in angina pectoris: khellin heparin, peritrate, 308
KROOK, HANS. (*See* Bülow, Biörck, Axén, Krook, Wulff, and Winblad, 242
——. (*See* Haeger, Juhlin, and Krook), 471

L

LANDING, BENJAMIN H. (*See* DeMuth and Landing), 643
LEATHAM, A. (*See* Kleyn, Leatham, Maasz, Lian, and Minot), 82
LEPESCHKIN, EUGENE. (*See* Rosenbaum and Lepeschkin), 38
LEVINE, SAMUEL A. (*See* Lown, Arons, Ganong, Vazifdar, and Levine), 760
LIAN, C. (*See* Kleyn, Leatham, Maasz, Lian, and Minot), 82
LIKOFF, WILLIAM, BERKOWITZ, DONALD, GEYER, SAMUEL V., STRAUSS, HERBERT, AND REALE, ATTILIO. Plasma, red cell, and total blood volume changes following cardiac surgery, 163
——. (*See* Nichols, Likoff, Goldberg, and Lisan), 577
LINDO, C. L., AND DOCTOR, L. R. The electrocardiogram in sickle-cell anemia, 218
LISAN, PHILIP. (*See* Nichols, Likoff, Goldberg, and Lisan), 577
LIU, C. K., AND LUISADA, A. A. Halving of the pulse due to severe alternans (pulsus bisectus), 927
LOSNER, SAMUEL, VOLK, BRUNO W., AND KANOF, ABRAM. The clot density determination of fibrinogen in rheumatic fever, 100
LOWN, BERNARD, ARONS, WALTER L., GANONG, WILLIAM F., VAZIFDAR, JEHANGIR P., AND LEVINE, SAMUEL A. Adrenal steroids and auriculoventricular conduction, 760
LUI, ALFRED H. F., AND MUSSELMAN, MERLE M. Intracavitary cardiac masses: diagnosis and treatment, 934
LUISADA, A. A. (*See* Aravanis and Luisada), 940
——. (*See* Liu and Luisada), 927
LYONS, HAROLD A., ZUHDI, MOHAMED NAZIH, AND KELLY, JOHN J., JR. Pectus excavatum ("funnel breast"), a cause of impaired ventricular distensibility as exhibited by right ventricular pressure pattern, 921

M

MAASZ, H. (*See* Kleyn, Leatham, Maasz, Lian, and Minot), 82
MABE, ROBERT E. (*See* Kory, Townes, Mabe, Dorris, and Meneely), 308
MCCAWLEY, ELTON L. (*See* Dick and McCawley), 442
MCCORD, MALCOLM C., AND BLOUNT, S. GILBERT, JR. Auricular flutter: a hemodynamic basis of clinical features, 731
MCGINN, JOSEPH T., AND SCHLUGER, JOSEPH. Levarterenol bitartrate (Levophed) in the treatment of cardiac arrhythmias, 625
•MADER, IVAN J., AND ISERI, LLOYD T. The effect of oral 1-hydrazinophthalazine therapy on renal function in essential vascular hypertension, 556
MALMSTRÖM, GUNNAR. (*See* Björk and Malmström), 303, 742
MAY, L. G. (*See* Nelson, May, Bennett, Kobayashi, and Gregory), 172
MENEELY, GEORGE R. (*See* Kory, Townes, Mabe, Dorris, and Meneely), 308
MERONEY, WILLIAM H. (*See* Herndon, Meroney, and Pearson), 188
MILCH, ELMER, ZIMDAHL, WALTER T., EGAN, RICHARD W., HSIA, TING WEI, ANDERSON, ARTHUR A., AND DAVID, JOSEPH. Experimental prevention of sudden death from acute coronary artery occlusion in the dog, 483
MILLER, ALBERT J., CHENG, TSUNG O., AND FREEDMAN, MYRON E. Electrocardiographic changes during norepinephrine-induced hypertension in normal man, 567
MINCKLER, JACK. (*See* Simonson, Koff, Keys, and Minckler), 260
MINOT, G. L. (*See* Kleyn, Leatham, Maasz, Lian, and Minot), 82
MORIARITY, LAUREN R. (*See* Dimond, Allen, and Moriarity), 651
MOYER, JOHN H., AND BEAZLEY, H. LISTON. Effectiveness of Aramine in the treatment of shock, 136
MURPHEY, DANIEL F. H. (*See* Rogers, Waldon, Murphey, and Edwards), 777
MUSSELMAN, MERLE M. (*See* Lui and Musselman), 934

N

NELSON, R. A., MAY, L. G., BENNETT, ALENE, KOBAYASHI, MITSU, AND GREGORY, RAYMOND. Comparison of the effects of pressor and depressor agents and influences on pulmonary and systemic pressures of normotensive and hypertensive subjects, 172
NICHOLS, HENRY T., LIKOFF, WILLIAM, GOLDBERG, HARRY, AND LISAN, PHILIP. The relation of valve function to the genesis of the sharp first sound in mitral stenosis, 577

O

OLANSKY, S. (*See* Friedman and Olansky), 323
O'NEILL, THOMAS J. E. (*See* Janton, Brunner, O'Neill, and Glover), 948
ORTIZ-RAMIREZ, TEOFILO, AND SERNA-RAMIREZ, RUPERTO. New early diagnostic sign of phlebitis of the lower extremities, 366

P

PAPPAS, RAYMOND. (*See* Thomas, Frederick, Knowles, Reeves, Pappas, and Eddleman), 424

PEARSON, CARL M. (*See* Herndon, Meroney, and Pearson), 188
PINES, IGNACY. The origin of the initial negative deflection in the right auricular endoelectrogram, 391
PINTO, IVAN J. The clinical syndromes in patent ductus arteriosus, 1
PRIEST, EDWARD MC CALL. (*See* Breneman and Priest), 129

R

REALE, ATTILIO. (*See* Likoff, Berkowitz, Geyer, Strauss, and Reale), 163
REEVES, T. J. (*See* Thomas, Frederick, Knowles, Reeves, Pappas, and Eddleman), 424
RICHMAN, JUSTIN L., AND WOLFF, LOUIS. The spatial vectorcardiogram in congenital heart disease and right ventricular hypertrophy, 85
RODRIGUEZ, HECTOR. (*See* Gil, Rodriguez, and Ibarra), 912
ROGERS, H. MILTON, WALDON, BARZILLIA R., MURPHEY, DANIEL F. H., AND EDWARDS, JESSE E. Supravalvular stenosing ring of left atrium in association with endocardial sclerosis (endocardial fibroelastosis) and mitral insufficiency, 777
ROMANS, WILLIAM E. (*See* Brody, Harris, and Romans), 923
ROSENBAUM, MAURICIO B., AND ALVAREZ, ATDEMAR J. The electrocardiogram in chronic chagasic myocarditis, 492
——, AND LEPESCHKIN, EUGENE. Bilateral bundle branch block, 38
ROSENFELD, ISADORE, AND SEGALL, HAROLD N. An external cardiac pacemaker in the treatment of Stokes-Adams syndrome: report of three cases, 749

S

SAMUEL, P. (*See* Bernath, Guillemot, Samuel, and Heim de Balsac), 112
SAPIN, SAMUEL O. (*See* Braunwald, Donoso, Sapin, and Grishman), 591
——. (*See* Braunwald, Sapin, Donoso, and Grishman), 823
——. (*See* Donoso, Sapin, Braunwald, and Grishman), 674
SCHLICHTER, J. G. (*See* Kohout, Silber, Schlichter, and Katz), 337
SCHLUGER, JOSEPH. (*See* McGinn and Schluger), 625
SCOTT, RALPH C., KAPLAN, SAMUEL, AND STILES, WILLIAM J. Observations on the effect of tetraethylammonium chloride on the pulmonary vascular resistance in mitral stenosis, 720
SEGALL, HAROLD N. (*See* Rosenfeld and Segall), 749
SERNA-RAMIREZ, RUPERTO. (*See* Ortiz-Ramirez and Serna-Ramirez), 366
SHEPHERD, JOHN T., CALLAHAN, JOHN A., DUSHANE, JAMES W., KIRKLIN, JOHN W., AND WOOD, EARL H. Coarctation of the aorta with patent ductus arteriosus opening at the coarctation, 225
SILBER, E. N. (*See* Kohout, Silber, Schlichter, and Katz), 337
SIMONSON, ERNST, KOFF, SHELDON, KEYS, ANCEL, AND MINCKLER, JACK. Contour of the toe pulse, reactive hyperemia, and pulse transmission velocity: group and repeat variability, effect of age, exercise, and disease, 260
——. (*See* Weisbart and Simonson), 62
SJOERDSMA, ALBERT. (*See* Fritz and Sjoerdsma), 203
SPURR, G. B., HUTT, B. K., AND HORVATH, STEVEN M. The effects of age on finger temperature responses to local cooling, 551
STILES, WILLIAM J. (*See* Scott, Kaplan, and Stiles), 720
STRAUSS, HERBERT. (*See* Likoff, Berkowitz, Geyer, Strauss, and Reale), 163

T

TAUBMAN, F. (*See* Dock, Grandell, and Taubman), 449
TAUXE, W. NEWLON. (*See* Becu, Tauxe, DuShane, and Edwards), 901
THOMAS, H. DUKE, FREDERICK, WILLIAM H., KNOWLES, JOHN L., REEVES, T. J., PAPPAS, RAYMOND, AND EDDLEMAN, E. E., JR. The effects of occlusion of the venae cavae, aorta, and pulmonary artery on the dog ballistocardiogram, 424
——. (*See* Frederick, Thomas, Knowles, Tucker, and Eddleman), 416
TOCA, RUBEN LOPEZ. (*See* Castellanos, Toca, Azan, and Calviño), 770
TOWNES, ALEXANDER S. (*See* Kory, Townes, Mabe, Dorris, and Meneely), 308
TUCKER, WILLIAM T. (*See* Frederick, Thomas, Knowles, Tucker, and Eddleman), 416
VAN DER TWEEL, L. H. (*See* Durrer, van der Tweel, Berreklouw, and van der Wey), 860
TYSINGER, DONALD S., JR., GRACE, JAMES T., AND GOLLAN, FRANK. The electrocardiogram of dogs surviving 1.5° Centigrade, 816

V

VAN HEES, C. A. Luciani periods in man caused by procaine amide, 145
VAN LINGEN, B., AND BAUERSFELD, S. R. The electrocardiogram in Ebstein's anomaly of the tricuspid valve, 13
VAZIFDAR, JEHANGIR P. (*See* Lown, Arons, Ganong, Vazifdar, and Levine), 760
Volk, Bruno W. (*See* Losner, Volk, and Kanof), 100
VURGRINČIČ, ČEDOMIL. Cardiac asthma, 280

W

WAKIM, KHALIL C. Certain cardiovasculorenal effects of hexamethonium, 435
WALDON, BARZILLIA R. (*See* Rogers, Waldon, Murphey, and Edwards), 777

WEISBART, MYRON H., AND SIMONSON, ERNST. The diagnostic accuracy of Q_3 and related electrocardiographic items for the detection of patients with posterior wall myocardial infarction, 62
VAN DER WEY, L. P. (*See* Durrer, van der Tweel, Berreklouw, and van der Wey), 860
WHITAKER, WILLIAM. The diagnosis of tricuspid stenosis, 237
WINBLAD, STEN. (*See* Bülow, Biörck, Axén, Krook, Wulff, and Winblad), 242
WOLFF, LOUIS. (*See* Richman and Wolff), 85
WOOD, EARL H. (*See* Shepherd, Callahan, DuShane, Kirklin, and Wood), 225
WOOD, HARRISON F. (*See* Elster and Wood), 706
WULFF, HELGE B. (*See* Bülow, Biörck, Axén, Krook, Wulff, and Winblad), 242

Y

YOUNG, DENNISON. (*See* Gross, Kepes, Young, and Enselberg), 373

Z

ZIMDAHL, WALTER T. (*See* Milch, Zimdahl, Egan, Hsia, Anderson, and David), 483
ZUHDI, MOHAMED NAZIH. (*See* Lyons, Zuhdi, and Kelly), 921

SUBJECT INDEX

A

Activation front, estimation of angle of, in outer layers of left ventricular wall (Durrer et al.), 861
geometrical properties of, in inner layers of left ventricular wall (Durrer et al.), 865
spread of, in left ventricular wall of dog. IV. Two and three dimensional analysis (Durrer et al.), 860
Addison's disease, auriculoventricular conduction in (Lown et al.), 763
Adrenal steroids and auriculoventricular conduction (Lown et al.), 760
Adults, asymptomatic, cardiac enlargement of undetermined cause in (Bolt and Bell), 331
Age, effects of, on finger temperature responses to local cooling (Spurr et al.), 551
exercise, and disease, effect of, group and repeat variability; contour of toe pulse, reactive hyperemia, and pulse transmission velocity (Simonson et al.), 260
Alternans, severe, (pulsus bisectus), halving of pulse due to (Liu and Luisada), 927
Amaurosis following mitral commissurotomy (Janton et al.), 948
Ammonia, blood, in congestive heart failure (Bessman and Evans), 715
Anemia, sickle-cell, electrocardiogram in (Lindo and Doctor), 218
Aneurysm, ventricular, with calcification of heart (Aravanis and Luisada), 940
Angina pectoris, 641 (B. Rev.)
drug evaluation in: khellin, heparin, peritrate (Kory et al.), 308
Angiocardiographic diagnosis: Ebstein's anomaly of tricuspid valve (Kistin et al.), 634
Angiopulmography, value of; mitral stenosis (Bülow et al.), 254
Angiotonin, effect of, on systemic and pulmonary pressures in normotensive and hypertensive subjects (Table II) (Nelson et al.), 174
Announcements, 160, 322, 482, 640, 804, 954
Anomalies, cardiac, congenital, complex of: ventricular septal defect, biventricular origin of pulmonary trunk, and subaortic stenosis (Becu et al.), 901
Anterior wall infarction, rudimentary, experiences with (Holzmann), 407
Aorta and pulmonary artery, occlusion of, following occlusion of venae cavae; effect on ballistocardiogram (Thomas et al.), 428
prior to occlusion of venae cavae; effect on ballistocardiogram (Thomas et al.), 429
Aorta—Cont'd
coarctation of (Braunwald et al.), 830
with patent ductus arteriosus opening at coarctation (Shepherd et al.), 225
venae cavae, and pulmonary artery, effects of occlusion of, on dog ballistocardiogram (Thomas et al.), 424
Aortic stenosis, diagnosis of (Björk and Malmström), 303
Aramine, effectiveness of, in treatment of shock (Moyer and Beazley), 136
Arrhythmias, allied, extrasystoles and, 951 (B. Rev.)
cardiac, levarterenol bitartrate (Levophed) in treatment of (McGinn and Schluger), 625
drugs used for, during mitral commissurotomy (Table III) (Gross et al.), 377
frequency of, during stages of mitral commissurotomy (Table I) (Gross et al.), 374
in chronic chagasic myocarditis (Rosenbaum and Alvarez), 522
Arterial systems, transmission of auricular pressure waves to (McCord and Blount), 740
Arteriosus, patent ductus, clinical syndromes in (Pinto), 1
Artery, coronary, occlusion, acute, experimental prevention of sudden death from, in dog (Milch et al.), 483
pulmonary, left, congenital absence of (Alexander et al.), 465
venae cavae, aorta, and, effects of occlusion of, on dog ballistocardiogram (Thomas et al.), 424
Aschoff bodies, correlation of, with inflammatory reaction, muscle hypertrophy, and thrombi in auricular appendage biopsies (Table I) (Elster and Wood), 709
lack of correlation between C-reactive protein and, in left auricular appendage biopsies (I); studies of C-reactive protein in patients with rheumatic heart disease (Elster and Wood), 706
Asthma, cardiac (Vugrinčič), 280
importance of arterial hydrostatic pressure in pathogenesis of (Vugrinčič), 286
Atrial septal defect complicated by pulmonary vascular lesions, vectorcardiograms in (Richman and Wolff), 90
by ventricular septal defect, vectorcardiograms in (Richman and Wolff), 90
pulmonic stenosis complicated by, and isolated pulmonic stenosis, vectorcardiograms in (Richman and Wolff), 91
uncomplicated, vectorcardiograms in (Richman and Wolff), 87

Atriogram, studies of (de Comnène et al.), 666
Atrium, left, left draining into, Eisenmenger's complex accompanied by double superior venae cavae (Haeger et al.), 471
supravalvular stenosing ring of, in association with endocardial sclerosis (endocardial fibroelastosis) and mitral insufficiency (Rogers et al.), 777
right and left, difference between simultaneously obtained pressures in, in beginning and at end of Valsalva's experiment (Table II) (Björk and Malmström), 743
Audio-visual principles, including; cardiac auscultation, 803 (B. Rev.)
Auricular appendage, left, biopsies, lack of correlation between C-reactive protein and Aschoff bodies in (I); studies of C-reactive protein in patients with rheumatic heart disease (Elster and Wood), 706
contraction during flutter, factors determining magnitude of pressure waves resulting from (McCord and Blount), 739
endoelectrogram, right, origin of initial negative deflection in (Pines), 391
fibrillation, clinical, comparative trial therapy of Benadryl, Banthine, and quinidine in (Table II) (Dick and McCawley), 444
experimental and clinical, comparison study of drugs in (Dick and McCawley), 442
flutter, auscultatory phenomena associated with (McCord and Blount), 740
factors determining presence of neck vein pulsations during (McCord and Blount), 739
hemodynamic basis of clinical features (McCord and Blount), 731
mechanism of impulse formation during (McCord and Blount), 738
involvement, electrocardiographic abnormalities indicating, in chronic chagasic myocarditis (Rosenbaum and Alvarez), 518
pressure waves, transmission of, to arterial systems (McCord and Blount), 740
T wave and its correlation to cardiac rate and to P wave (Gross), 24
Auriculoventricular block, partial, five cases of unstable form of; reverse Wenckebach periods (Berman), 211
conduction, adrenal steroids and (Lown et al.), 760
Auscultation, cardiac; including audio-visual principles, 803 (B. Rev.)
A-V block in chronic chagasic myocarditis (Rosenbaum and Alvarez), 516
Axostat (Brody), 610

B

Back, extremity, and precordial electrodes, normal potential variations on, with reference to central terminals of zero and nonzero potential (Bayley), 694
Balistocardiografia clinica, 953 (B. Rev.)
Ballistocardiogram, dog, effects of occlusion of venae cavae, aorta, and pulmonary artery on (Thomas et al.), 424
in relation to protodiastolic sounds (Dock et al.), 457
of normal dog (Frederick et al.), 416
Banthine, Benadryl, and quinidine, comparative trial therapy of, in clinical auricular fibrillation (Table II) (Dick and McCawley), 444
Beats, reciprocal, blocked, paroxysmal nodal tachycardia with retrograde heart block, reciprocal rhythm, and (Castellanos et al.), 770
Benadryl, Banthine, and quinidine, comparative trial therapy of, in clinical auricular fibrillation (Table II) (Dick and McCawley), 444
Bilateral bundle branch block (Rosenbaum and Lepeschkin), 38
Biologischer, Regelung, Probleme und Beispiele, 161 (B. Rev.)
Biology and medicine; electrochemistry in, 953 (B. Rev.)
Biopsies, auricular appendage, correlation of Aschoff bodies with inflammatory reaction, muscle hypertrophy, and thrombi in (Table I) (Elster and Wood), 709
left auricular appendage, lack of correlation between C-reactive protein and Aschoff bodies in (I); studies of C-reactive protein in patients with rheumatic heart disease (Elster and Wood), 706
Biventricular origin of pulmonary trunk, ventricular septal defect, and subaortic stenosis; complex of congenital cardiac anomalies (Becu et al.), 901
Block, bundle branch, bilateral (Rosenbaum and Lepeschkin), 38
heart, retrograde, reciprocal rhythm, and blocked reciprocal beats, paroxysmal nodal tachycardia with (Castellanos et al.), 770
Blood ammonia in congestive heart failure (Bessman and Evans), 715
volume changes, total, plasma, red cell, and, following cardiac surgery (Likoff et al.), 163
Blutgerinnungsfaktoren, 951 (B. Rev.)
Book reviews, 161, 322, 641, 803, 951
Brucellosi, l'apparato cardiovascolare nella, (cardiovascular system in brucellosis) 162 (B. Rev.)
Bundle branch block, bilateral (Rosenbaum and Lepeschkin), 38
right, in chronic chagasic myocarditis (Rosenbaum and Alverez), 496

C

Calcification of heart, ventricular aneurysm with (Aravanis and Luisada), 940

Cardiac anomalies, congenital, complex of: ventricular septal defect, biventricular origin of pulmonary trunk, and subaortic stenosis (Becu et al.), 901
arrhythmias, levarterenol bitartrate (Levophed) in treatment of (McGinn and Schluger), 625
asthma (Vugrinčič), 280
importance of arterial hydrostatic pressure in pathogenesis of (Vugrinčič), 286
auscultation; including audio-visual principles, 803 (B. Rev.)
emergencies and heart failure, 952 (B. Rev.)
enlargement of undetermined cause in asymptomatic adults (Bolt and Bell), 331
hypertrophy, idiopathic, occurrence and possible significance of generalized vascular disease in (DeMuth and Landing), 643
lesions, rheumatic, active, asymptomatic, incidence of, in patients submitted to mitral commissurotomy and effect of cortisone on these lesions (Gil et al.), 912
masses, intracavitary: diagnosis and treatment (Lui and Musselman), 934
pacemaker, external, in treatment of Stokes-Adams syndrome: report of three cases (Rosenfeld and Segall), 749
rate, auricular T wave and its correlation to, and to P wave (Gross), 24
surgery, plasma, red cell, and total blood volume changes following (Likoff et al.), 163
Cardiology notebook, 953 (B. Rev.)
Cardiovascolare, l'apparato, nella brucellosi (cardiovascular system in brucellosis), 162 (B. Rev.)
Cardiovascular disease, syphilitic, diagnosis of, with special reference to treponemal immobilization tests (Friedman and Olansky), 323
Cardiovasculorenal effects, certain, of hexamethonium (Wakim), 435
Carditis, rheumatic, pulmonic-systolic murmurs in rheumatic fever and (Harris), 812
Catheterization findings, Eisenmenger complex (Kohout et al.), 346
Central terminals of zero and nonzero potential, normal potential variations on extremity, back, and precordial electrodes with reference to (Bayley), 694
Chagasic myocarditis, chronic, electrocardiogram in (Rosenbaum and Alvarez), 492
Chemicals, plasma, electrocardiographic effects of alterations in concentration of (Herndon et al.), 188
Children, phonocardiographic study of pulmonic-systolic murmurs in (Harris), 805
Circular lamina, electrically homogenous, lead vectors of multiple dipoles located on (Helm), 883
Circulatory system functional principles of, under physiologic and pathologic conditions (Vugrinčič), 283
Clinical features, hemodynamic basis of; auricular flutter (McCord and Blount), 731
Clot density determination of fibrinogen in rheumatic fever (Losner et al.), 100
Coarctation of aorta with patent ductus arteriosus opening at coarctation (Shepherd et al.), 225
Commissurotomy, basis and criteria to qualify degree of rheumatic activity in patients subjected to (Table I), (Gil et al.), 913
mitral, amaurosis following (Janton et al.), 948
electrocardiographic changes during (Gross et al.), 373
incidence of asymptomatic, active rheumatic cardiac lesions in patients submitted to, and effect of cortisone on these lesions (Gil et al.), 912
Conduction, auriculoventricular, adrenal steroids and (Lown et al.), 760
Congestive heart failure, blood ammonia in (Bessman and Evans), 715
Colling, local, effects of age on finger temperature responses to (Spurr et al.), 551
Coronary artery occlusion, acute, experimental prevention of sudden death from, in dog (Milch et al.), 483
ligation, effect of, in untreated dogs (Milch et al.), 485
of quinidine on results of (Milch et al.), 487
effects of bilateral thoracic sympathectomy on results of (Milch et al.), 487
of stellate ganglion injection on results of (Milch et al.), 488
Correspondence, 322
Cortisone, effect of, on these lesions, incidence of asymptomatic, active rheumatic cardiac lesions in patients submitted to mitral commissurotomy and (Gil et al.), 912
C-reactive protein in rheumatic fever (Losner et al.), 106
studies of, in patients with rheumatic heart disease (Elster and Wood), 706
Cube system, variations in direct spatial vectorcardiograms resulting from altered placement of electrodes in (Allenstein and Kornbluth), 382
Curves, atrial pressure, left and right, simultaneous, during Valsalva's experiment (Björk and Malmström), 742
Cushing's syndrome, auriculoventricular conduction in (Lown et al.), 763

D

Deflection, negative, initial, origin of, in right auricular endoelectrogram (Pines), 391

Depressor, pressor and, agents, comparison of effects of, and influences of pulmonary and systemic pressures of normotensive and hypertensive subjects (Nelson et al.), 172

Dextrocardia, congenital, isolated (Gubbay), 356

Diastolic expansion, early, of ventricles, inflexions on curves of (Dock et al.), 456

Dipoles, multiple, lead vectors of, on electrically homogenous circular lamina (Helm), 883

Disease, effect of age, exercise, and, group and repeat variability; contour of toe pulse, reactive hyperemia, and pulse transmission velocity (Simonson et al.), 260

Distensibility, ventricular, impaired, as exhibited by right ventricular pressure pattern, pectus excavatum ("funnel breast") cause of (Lyons et al.), 921

Dog ballistocardiogram, effects of occlusion of venae cavae, aorta, and pulmonary artery on (Thomas et al.), 424
experimental prevention of sudden death from acute coronary artery occlusion in (Milch et al.), 483
normal, ballistocardiogram of (Frederick et al.), 416

Dogs surviving 1.5° Centigrade, electrocardiogram of (Tysinger et al.), 816

Drug evaluation in angina pectoris: khellin, heparin, peritrate (Kory et al.), 308
therapy, reactions with, 161 (B. Rev.)

Drugs in experimental and clinical auricular fibrillation, comparison study of (Dick and McCawley), 442

E

Ebstein's anomaly of tricuspid valve: angiocardiographic diagnosis (Kistin et al.), 634
electrocardiogram in (Van Lingen and Bauersfeld), 13

Eisenmenger complex, catheterization findings (Kohout et al.), 346
dynamics of. II (Kohout et al.), 337
electrocardiogram in (Kohout et al.), 341
fluoroscopic and roentgenographic findings in (Kohout et al.), 341
pathologic physiology (Kohout et al.), 346

Eisenmenger's complex (Braunwald et al.), 835
accompanied by double superior venae cavae, left draining into left atrium (Haeger et al.), 471

Electrocardiogram and vectorcardiogram, study of, in congenital heart disease (Braunwald et al.), 591

Electrocardiogram and vectorcardiogram, study of—Cont'd
(Donoso et al.), 674
III. Electrocardiographic and vectorcardiographic findings in various malformations (Braunwald et al.), 823
in chronic chagasic myocarditis (Rosenbaum and Alvarez), 492
in Ebstein's anomaly of tricuspid valve (Van Lingen and Bauersfeld), 13
in Eisenmenger complex (Kohout et al.), 341
in sickle-cell anemia (Lindo and Doctor), 218
limits of normal voltage in (Table II) (Braunwald et al.), 825
of dogs surviving 1.5° Centigrade (Tysinger et al.), 816
relative merits of vectorcardiograms and, in detection of ventricular hypertrophy (Donoso et al.), 691
vector analysis of T-deflection of (Bayley), 844

Electrocardiograms, esophageal, of good diagnostic quality, simple method for obtaining (Brody et al.), 923

Electrocardiographic and vectorcardiographic diagnoses in various congenital cardiac malformations (Table V) (Braunwald et al.), 828
findings in various malformations (III) study of electrocardiogram and vectorcardiogram in congenital heart disease (Braunwald et al.), 823
changes during mitral commissurotomy (Gross et al.), 373
norepinephrine-induced hypertension in normal man (Miller et al.), 567
effects of alterations in concentration of plasma chemicals (Herndon et al.), 188
indices, spatial, improved form of instrument, and its application to establishment of, in 102 normal subjects (III); axostat (Brody), 610
items, related diagnostic accuracy of Q_3 and, for detection of patients with posterior wall myocardial infarction (Weisbart and Simonson), 62

Electrochemistry in biology and medicine, 953 (B. Rev.)

Electrodes, altered placement of, in cube system, variations in direct spatial vectorcardiograms resulting from (Allenstein and Kornbluth), 382
extremity, back, and precordial, normal potential variations on, with reference to central terminals of zero and nonzero potential (Bayley), 694

Emetine hydrochloride, fatal myocarditis due to (Brem and Konwaler), 476

Endocardial fibroelastosis, clinical picture of (Dimond et al.), 651
region, neoplastic involvement of (Hurst and Cooper), 791

Endocardial—Cont'd
sclerosis (endocardial fibroelastosis) and mitral insufficiency, supravalvular stenosing ring of left atrium in association with (Rogers et al.), 777
stimulation; activation in left ventricular wall (Durrer et al.), 870
Endocarditis, rheumatic, incidence of (Fassbender), 537
Endoelectrogram, auricular, right, origin of initial negative deflection in (Pines), 391
Ephedrine, epinephrine, and methedrine, effect of, on systemic and pulmonary pressures in normotensive and hypertensive subjects (Table V) (Nelson et al.), 178
Epicardial stimulation; activation in left ventricular wall (Durrer et al.), 870
Epinephrine, ephedrine, and methedrine, effect of, on systemic and pulmonary pressures in normotensive and hypertensive subjects (Table V) (Nelson et al.), 178
Erratum, 803, 954
Esophageal electrocardiograms of good diagnostic quality, simple method for obtaining (Brody et al.), 923
Excitation upon any local path (Bayley), 844
average ventricular fiber (Bayley), 847
Exercise, age, and disease, effect of, group and repeat variability; contour of toe pulse, reactive hyperemia, and pulse transmission velocity (Simonson et al.), 260
Extrasystoles (Durrer et al.), 868
and allied arrhythmias, 951 (B. Rev.)
with two needles, analysis of; activation in left ventricular wall (Durrer et al.), 878
Extremities, lower, new early diagnostic sign of phlebitis of (Ortiz-Ramirez and Serna-Ramirez), 366
Extremity, back, and precordial electrodes, normal potential variations on, with reference to central terminals of zero and nonzero potential (Bayley), 694

F

Failure, heart, congestive, blood ammonia in (Bessman and Evans), 715
Fibrillation, auricular, experimental and clinical, comparison study of drugs in (Dick and McCawley), 442
Fibrinogen, clot density determination of, in rheumatic fever (Losner et al.), 100
Fibroelastosis, endocardial, clinical picture of (Dimond et al.), 651
Finger temperature responses to local cooling, effects of age on (Spurr et al.), 551
Fingers exposed to cold water, "hunting" phenomena, cooling and rewarming rates of, in individuals of different age groups (Table I) (Spurr et al.), 553
Fluoroscopic and roentgenographic findings in Eisenmenger complex (Kohout et al.), 341
Fluoroscopy in diagnostic roentgenology, 641 (B. Rev.)
Flutter, auricular: hemodynamic basis of clinical features (McCord and Blount), 731

G

Gallop, protodiastolic, its mechanism and and relation to; physiologic third heart sound (Dock et al.), 449
Ganglion, stellate, injection, effects of, on results of coronary ligation (Milch et al.), 488

H

Heart block, retrograde, reciprocal rhythm, and blocked reciprocal beats, paroxysmal nodal tachycardia with (Castellanos et al.), 770
disease, congenital, and right ventricular hypertrophy, spatial vectorcardiogram in (Richman and Wolff), 85
study of electrocardiogram and vectorcardiogram in (Braunwald et al.), 591 (Donoso et al.), 674
III. Electrocardiographic and vectorcardiographic findings in various malformations (Braunwald et al.), 823
in Philippines (Alimurung et al.), 293 (its diagnosis and treatment), 953 (B. Rev.)
rheumatic, studies of C-reactive protein in patients with (Elaster and Wood), 706
failure, cardiac emergencies and, 952 (B. Rev.)
congestive, blood ammonia in (Bessman and Evans), 715
vena cava inferior ligation in (Bernath et al.), 112
neoplastic disease of (Hurst and Cooper), 782
sound, third, physiologic: its mechanism and relation to protodiastolic gallop (Dock et al.), 449
ventricular aneurysm with calcification of (Aravanis and Luisada), 940
Heart's field, remarks on zero potential of (Bayley), 699
Heparin, khellin, peritrate; drug evaluation in angina pectoris (Kory et al.), 308
Hexamethonium, certain cardiovasculorenal effects of (Wakim), 435
Hoarseness associated with mitral stenosis, etiology of: improvement following mitral surgery (Ari et al.), 153
1-Hydrazinophthalazine therapy, oral, effect of, on renal function in essential vascular hypertension (Mader and Iseri), 556
Hydrostatic pressure, arterial, importance of, in pathogenesis of cardiac asthma (Vugrinčić), 286

Hyperemia, reactive, contour of toe pulse, and pulse transmission velocity: group and repeat variability, effect of age, exercise, and disease (Simonson et al.), 260
Hyperkalemia, progressive, composite electrocardiographic effects of (Herndon et al.), 198
Hypertension, norepinephrine-induced, electrocardiographic changes during, in normal man (Miller et al.), 567
vascular, essential, effect of oral 1-hydrazinophthalazine therapy on renal function in (Mader and Iseri), 556
Hypertensive, normotensive and, subjects, comparison of effects of pressor and depressor agents and influences on pulmonary and systemic pressures of (Nelson et al.), 172
Hypertrophy, cardiac, idiopathic, occurrence and possible significance of generalized vascular disease in (DeMuth and Landing), 643
ventricular, right, spatial vectorcardiogram in congenital heart disease and (Richman and Wolff), 85
vectorcardiographic criteria for (II); study of electrocardiogram and vectorcardiogram in congenital heart disease (Donoso et al.), 674

I

Immobilization tests, treponemal; diagnosis of syphilitic cardiovascular disease with special reference to (Friedman and Olansky), 323
Infarction, anterior wall, rudimentary, experiences with (Holzmann), 407
myocardial, acute, experience with phenylindanedione in management of (Breneman and Priest), 129
possible significance of T-wave variant as determined from its age distribution and prevalence prior to (Fritz and Sjoerdsma), 203
posterior wall, diagnostic accuracy of Q_3 and related electrocardiographic items for detection of patients with (Weisbart and Simonson), 62
Insufficiency, mitral, supravalvular stenosing ring of left atrium in association with endocardial sclerosis (endocardial fibroelastosis) and (Rogers et al.), 777
Intracavitary cardiac masses: diagnosis and treatment (Lui and Musselman), 934

K

Khellin, heparin, peritrate; drug evaluation in angina pectoris (Kory et al.), 308
Kreislaufregulation, 952 (B. Rev.)

L

Lamina, circular, electrically homogenous, lead vectors of multiple dipoles located on (Helm), 883
Lead vectors of multiple dipoles located on electrically homogenous circular lamina (Helm), 883
Leg ulcers, their causes and treatment, 162 (B. Rev.)
Levarterenol bitartrate (Levophed) in treatment of cardiac arrhythmias (McGinn and Schluger), 625
Ligation, coronary, effect of, in untreated animals (Milch et al.), 485
of quinidine on results of (Milch et al.), 487
effects of bilateral thoracic sympathectomy on results of (Milch et al.), 487
of stellate ganglion injection on results of (Milch et al.), 488
inferior, vena cava, in congestive heart failure (Bernath et al.), 112
Lingula biopsy: representability and risk for pulmonary complication in mitral stenosis (Bülow et al.), 256
Luciani periods in man caused by procaine amide (Van Hees), 145
Lung changes in mitral stenosis, causes and frequency of (Bülow et al.), 256
Lungs, clinical physiology of, 322 (B. Rev.)

M

Malformations, cardiac, congenital, (other than tricuspid atresia) in which cyanosis and left-axis deviation have been found to coexist (Table VII) (Braunwald et al.), 831
electrocardiographic and vectorcardiographic diagnoses in (Table V) (Braunwald et al.), 828
mean electrical axis of QRS in (Table VI) (Braunwald et al.), 829
P-wave abnormalities in (Table IV) (Braunwald et al.) 827
various, electrocardiographic and vectorcardiographic findings in (III); study of electrocardiogram and vectorcardiogram in congenital heart disease (Braunwald et al.), 823
Medicine, electrochemistry in biology and, 953 (B. Rev.)
Methedrine, epinephrine, ephedrine and, effect of, on systemic and pulmonary pressures in normotensive and hypertensive subjects (Table V) (Nelson et al.), 178
Mitral commissurotomy, amaurosis following (Janton et al.), 948
electrocardiographic changes during (Gross et al.), 373
incidence of asymptomatic, active rheumatic cardiac lesions in patients submitted to, and effect of cortisone on these lesions (Gil et al.), 912
insufficiency, supravalvular stenosing ring of left atrium in association with endocardial sclerosis (endocardial fibroelastosis) and (Rogers et al.), 777
stenosis, etiology of hoarseness associated with: improvement following mitral surgery (Ari et al.), 153

Mitral Commissurotomy—Cont'd
observations on effect of tetraethylammonium chloride on pulmonary vascular resistance in (Scott et al.), 720
relation of valve function to genesis of sharp first sound in (Nichols et al.), 577
studies in. VI. Pulmonary vessels in mitral stenosis (Bülow et al.), 242
Murmurs, pulmonic-systolic, in children, phonocardiographic study of (Harris), 805
Myocardial infarction, acute, experience with phenylindanedione in management of (Breneman and Priest), 129
possible significance of T-wave variant as determined from its age distribution and prevalence prior to (Fritz and Sjoerdsma), 203
posterior wall, diagnostic accuracy of Q_3 and related electrocardiographic items for detection of patients with (Weisbart and Simonson), 62
region, neoplastic involvement of (Hurst and Cooper), 792
Myocarditis, chagasic, chronic, electrocardiogram in (Rosenbaum and Alvarez), 492
fatal, due to emetine hydrochloride (Brem and Konwaler), 476

N

N wave, ballistocardiographic, mechanism of protodiastolic heart sounds in relation to venous reflux, abrupt cessation of ventricular expansion, and (Dock et al.), 458
Neoplastic disease of heart (Hurst and Cooper), 782
involvement of endocardial region (Hurst and Cooper), 791
of myocardial region (Hurst and Cooper), 792
of pericardium (Hurst and Cooper), 793
Nodal tachycardia, paroxysmal, with retrograde heart block, reciprocal rhythm, and blocked reciprocal beats (Castellanos et al.), 770
Norepinephrine, effect of, on systemic and pulmonary pressures in normotensive and hypertensive subjects (Table IV) (Nelson et al.), 177
Norepinephrine-induced hypertension, electrocardiographic changes during, in normal man (Miller et al.), 567

O

Occlusion, coronary artery, acute, experimental prevention of sudden death from, in dog (Milch et al.), 483
effects of, venae cavae, aorta, and pulmonary artery on dog ballistocardiogram (Thomas et al.), 424
Oxygen saturation, arterial; mitral stenosis (Bülow et al.), 255

P

Pacemaker, cardiac, external, in treatment of Stokes-Adams syndrome: report of three cases (Rosenfeld and Segall), 749
Paroxysmal nodal tachycardia with retrograde heart block, reciprocal rhythm, and blocked reciprocal beats (Castellanos et al.), 770
Patent ductus arteriosus (Braunwald et al.), 835
classification of, based upon auscultatory findings (Pinto), 3
clinical syndromes in (Pinto), 1
opening at coarctation, coarctation of aorta with (Shepherd et al.), 225
Pectus excavatum ("funnel breast"), cause of impaired ventricular distensibility as exhibited by right ventricular pressure pattern (Lyons et al.), 921
Pericardium, neoplastic involvement of (Hurst and Cooper), 793
Peripheral vascular diseases, 161 (B. Rev.)
Peritrate, khellin, heparin; drug evaluation in angina pectoris (Kory et al.), 308
Phenylindanedione experience with, in management of acute myocardial infarction (Breneman and Priest), 129
in myocardial infarction, hemorrhagic complications (Table III) (Breneman and Priest), 133
recovery rate from initial and recurrent infarctions (Table I) (Breneman and Priest), 131
thromboembolic complications (Table II) (Breneman and Priest), 132
Philippines, heart disease in (Alimurung et al.), 293
Phlebitis of lower extremities, new early diagnostic sign of (Ortiz-Ramirez and Serna-Ramirez), 366
Phonocardiographic study of pulmonic-systolic murmurs in children (Harris), 805
Phonocardiography, standardization of (Kleyn et al.), 82
Pitressin, effect of, on systemic and pulmonary pressures in normotensive and hypertensive subjects (Table VI) (Nelson et al.), 179
Plasma chemicals, electrocardiographic effects of alterations in concentration of (Herndon et al.), 188
red cell, and total blood volume changes following cardiac surgery (Likoff et al.), 163
Posterior wall myocardial infarction, diagnostic accuracy of Q_3 and related electrocardiographic items for detection of patients with (Weisbart and Simonson), 62
Potential variations, normal, on extremity, back, and precordial electrodes with reference to central terminals of zero and nonzero potential (Bayley), 694
Precordial electrodes, extremity, back, and, normal potential variations on, with reference to central terminals of zero and nonzero potential (Bayley), 694

Pressor and depressor agents, comparison of effects of; and influences on pulmonary and systemic pressures of normotensive and hypertensive subjects (Nelson et al.), 172
Pressure, atrial, curves, left and right, simultaneous, during Valsalva's experiment (Björk and Malmström), 742
developed and volume ejected by normal and dilated left ventricle during systole, theoretic considerations of time course of (Burch), 352
hydrostatic, arterial, importance of, in pathogenesis of cardiac asthma (Vugrinčič), 286
pattern, ventricular, right, pectus excavatum ("funnel breast"), cause of impaired ventricular distensibility as exhibited by (Lyons et al.), 921
Pressures, pulmonary and systemic, of normotensive and hypertensive subjects, comparison of effects of pressor and depressor agents and influences of (Nelson et al.), 172
Procaine amide, Luciani periods in man caused by (Van Hees), 145
Protein, C-reactive, studies of, in patients with rheumatic heart disease (Elster and Wood), 706
Protodiastolic gallop, its mechanism and relation to; physiologic third heart sound (Dock et al.), 449
sounds, ballistocardiogram in relation to (Dock et al.), 457
P-T_a segment and P wave, correlation between (Gross), 26
correlation between displacement of, and cardiac rate (Gross), 25
Pulmonary and systemic pressures of normotensive and hypertensive subjects, comparison of effects of pressor and depressor agents and influences on (Nelson et al.), 172
artery, idiopathic dilatation of (Braunwald et al.), 840
left, congenital absence of (Alexander et al.), 465
occlusion of aorta and, following occlusion of venae cavae; effect of ballistocardiogram (Thomas et al.), 428
prior to occlusion of venae cavae; effect on ballistocardiogram (Thomas et al.), 429
venae cavae, aorta, and, effects of occlusion of, on dog ballistocardiogram (Thomas et al.), 424
trunk, biventricular origin of, and subaortic stenosis, pathologic findings in four cases of ventricular septal defect with (Table I) (Becu et al.), 903
ventricular septal defect, and subaortic stenosis; complex of congenital cardiac anomalies (Becu et al.), 901
vascular resistance, observations on effect of tetraethylammonium chloride on, in mitral stenosis (Scott et al.), 720
vessels in mitral stenosis (VI); studies in mitral stenosis (Bülow et al.), 242
Pulmonic stenosis complicated by ventricular septal defect or by patent ductus arteriosus, vectorcardiograms in (Richman and Wolff), 91
vectorcardiograms in (Richman and Wolff), 91
with left-to-right ventricular shunt (Contro and Brostoff), 543
normal aortic root (Braunwald et al.), 829
Pulmonic systolic murmurs in children, phonocardiographic study of (Harris), 805
in rheumatic fever and rheumatic carditis (Harris), 812
Pulse, halving of, due to severe alternans (pulsus bisectus) (Liu and Luisada), 927
toe, contour of, reactive hyperemia, and pulse transmission velocity: group and repeat variability, effect of age, exercise, and disease (Simonson et al.), 260
P wave, auricular T wave and its correlation to cardiac rate and to (Gross), 24
waves, maximum normal amplitude of, in mm. (Table III) (Braunwald et al.), 826
P-wave abnormalities in various congenital cardiac malformations (Table IV) (Braunwald et al.), 827

Q

Q_3, diagnostic accuracy of, and related electrocardiographic items for detection of patients with posterior wall myocardial infarction (Weisbart and Simonson), 62
QRS complex; electrocardiographic effects of alterations in concentration of plasma chemicals (Herndon et al.), 189
mean electrical axis of, in various congenital cardiac malformations (Table VI) (Braunwald et al.), 829
Q-T duration, corrected, in acute and convalescent rheumatic fever (Carmichael), 528
Q-T_c interval; electrocardiographic effects of alterations in concentration of plasma chemicals (Herndon et al.), 189
Quinidine, Benadryl, Banthine, comparative trial therapy of, in clinical auricular fibrillation (Table II) (Dick and McCawley), 444
effect of, on results of coronary ligation (Milch et al.), 487

R

Radiograms, chest, value of; mitral stenosis (Bülow et al.), 255
Rate, cardiac, auricular T wave and its correlation to, and to P wave (Gross), 24
Reciprocal rhythm, retrograde heart block, and blocked reciprocal beats, paroxysmal nodal tachycardia with (Castellanos et al.), 770

Red cell, plasma, and total blood volume changes following cardiac surgery (Likoff et al.), 163
Renal function, effect of oral 1-hydrazinophthalazine therapy on, in essential vascular hypertension (Mader and Iseri), 556
Retrograde heart block, reciprocal rhythm, and blocked reciprocal beats, paroxysmal nodal tachycardia with (Castellanos et al.), 770
Rheumatic activity, basis and criteria to qualify degree of, in patients subjected to commissurotomy (Table I) (Gil et al.), 913
cardiac lesions, active, asymptomatic, incidence of, in patients submitted to mitral commissurotomy and effect of cortisone on these lesions (Gil et al.), 912
endocarditis, incidence of (Fassbender), 537
fever, acute and convalescent, corrected Q-T duration in (Carmichael), 528
and rheumatic carditis, pulmonic-systolic murmurs in (Harris), 812
clot density determination of fibrinogen in (Losner et al.), 100
C-reactive protein in (Losner et al.), 106
heart disease, studies of C-reactive protein in patients with (Elster and Wood), 706
Rhythm, reciprocal, retrograde heart block, and blocked reciprocal beats, paroxysmal nodal tachycardia with (Castellanos et al.), 770
Ring, stenosing, supravalvular, of left atrium in association with endocardial sclerosis (endocardial fibroelastosis) and mitral insufficiency (Rogers et al.), 777
Roentgenographic findings, fluoroscopic and, in Eisenmenger complex (Kohout et al.), 341
Roentgenology, diagnostic, fluoroscopy in, 641 (B. Rev.)

S

Schichtverfahren, transversale, 642 (B. Rev.)
Sclerosis, endocardial, (endocardial fibroelastosis) and mitral insufficiency, supravalvular stenosing ring of left atrium in association with (Rogers et al.), 777
Septal defect, interatrial (Braunwald et al.), 830
interventricular (Braunwald et al.), 835
ventricular, biventricular origin of pulmonary trunk, and subaortic stenosis; complex of congenital cardiac anomalies (Becu et al.), 901
with biventricular origin of pulmonary trunk and subaortic stenosis, pathologic findings in four cases of (Table I) (Becu et al.), 903
Shock, effectiveness of Aramine in treatment of (Moyer and Beazley), 136
Shunt, ventricular, left-to-right, pulmonic stenosis with (Contro and Brostoff), 543
Sickle-cell anemia, electrocardiogram in (Lindo and Doctor), 218
Sound, first, sharp, relation of valve function to genesis of, in mitral stenosis (Nichols et al.), 577
laws, governing intensity, pitch, and durration of (Nichols et al.), 578
Spatial electrocardiographic indices, improved form of instrument, and its application to establishment of, in 102 normal subjects (III); axostat (Brody), 610
vectorcardiogram in congenital heart disease and right ventricular hypertrophy (Richman and Wolff), 85
vectorcardiograms, direct, variations in, resulting from altered placement of electrodes in cube system (Allenstein and Kornbluth), 382
Stellate ganglion injection, effects of, on results of coronary ligation (Milch et al.), 488
Stenosing ring, supravalvular, of left atrium in association with endocardial sclerosis (endocardial fibroelastosis) and mitral insufficiency (Rogers et al.), 777
Stenosis, aortic, diagnosis of (Björk and Malmström), 303
mitral, observations on effect of tetraethylammonium chloride on pulmonary vascular resistance in (Scott et al.), 720
relation of valve function to genesis of sharp first sound in (Nichols et al.), 577
studies in. VI. Pulmonary vessels in mitral stenosis (Bülow et al.), 242
pulmonic, with left-to-right ventricular shunt (Contro and Brostoff), 543
subaortic or aortic, congenital (Braunwald et al.), 830
pathologic findings in four cases of ventricular septal defect with biventricular origin of pulmonary trunk and (Table I) (Becu et al.), 903
ventricular septal defect, biventricular origin of pulmonary trunk, and; complex of congenital cardiac anomalies (Becu et al.), 901
tricuspid, diagnosis of (Whitaker), 237
Steroids, adrenal, and auriculoventricular conduction (Lown et al.), 760
Stimulation, technique of; activation in left ventricular wall (Durrer et al.), 870
Stokes-Adams syndrome, external cardiac pacemaker in treatment of: report of three cases (Rosenfeld and Segall), 749
Subaortic stenosis, ventricular septal defect, biventricular origin of pulmonary trunk, and; complex of congenital cardiac anomalies (Becu et al.), 901
Supravalvular stenosing ring of left atrium in association with endocardial sclerosis (endocardial fibroelastosis) and mitral insufficiency (Rogers et al.), 777

Surgery, cardiac, plasma, red cell, and total blood volume changes following (Likoff et al.), 163
mitral, improvement following: etiology of hoarseness associated with mitral stenosis (Ari et al.), 153
Sympathectomy, thoracic, bilateral, effects of, on results of coronary ligation (Milch et al.), 487
Syphilitic cardiovascular disease, diagnosis of, with special reference to treponemal immobilization tests (Friedman and Olansky), 323
Systemic pressures, pulmonary and, of normotensive and hypertensive subjects, comparison of effects of pressor and depressor agents and influences on (Nelson et al.), 172
Systole, theoretic considerations of time course of pressure developed and volume ejected by normal and dilated left ventricle during (Burch), 352

T

Tachycardia, nodal, paroxysmal, with retrograde heart block, reciprocal rhythm, and blocked reciprocal beats (Castellanos et al.), 770
T-deflection, vector analysis of, of electrocardiogram (Bayley), 844
Temperature, finger, responses to local cooling, effects of age on (Spurr et al.), 551
Terminals, central, of zero and nonzero potential, normal potential variations on extremity, back, and precordial electrodes with reference to (Bayley), 694
Tetraethylammonium bromide, effect of, on normotensive and hypertensive subjects (Table IX) (Nelson et al.), 182
chloride, hemodynamic effects of, on patients with mitral stenosis (Table I) (Scott et al.), 723
observations on effect of, on pulmonary vascular resistance in mitral stenosis (Scott et al.), 720
physiologic data on patients with mitral stenosis given (Table II) (Scott et al.), 725
Tetralogy of Fallot (Braunwald et al.), 826
operated cases, vectorcardiograms in (Richman and Wolff), 93
unoperated cases, vectorcardiograms in (Richman and Wolff), 92
Third heart sound, physiologic: its mechanism and relation to protodiastolic gallop (Dock et al.), 449
Thoracic sympathectomy, bilateral, effects of, on results of coronary ligation (Milch et al.), 487
Time course of pressure developed and volume ejected by normal and dilated left ventricle during systole, theorectic considerations of (Burch), 352
Toe pulse, contour of, reactive hyperemia, and pulse transmission velocity: group and repeat variability, effect of age, exercise, and disease (Simonson et al.), 260
Transmission velocity, pulse, contour of toe pulse, reactive hyperemia, and: group and repeat variability, effect of age, exercise, and disease (Simonson et al.), 260
Transversale Schichtverfahren, 642 (B. Rev.)
Treponemal immobilization tests, diagnosis of syphilitic cardiovascular disease with special reference to (Friedman and Olansky), 323
Tricuspid atresia (Braunwald et al.), 831
stenosis, diagnosis of (Whitaker), 237
valve, Ebstein's anomaly of: angiocardiographic diagnosis (Kistin et al.), 634
electrocardiogram in Ebstein's anomaly of (Van Lingen and Bauersfeld), 13
Trunk, pulmonary, biventricular origin of, ventricular septal defect, and subaortic stenosis; complex of congenital cardiac anomalies (Becu et al.), 901
T wave, auricular, and its correlation to cardiac rate and to P wave (Gross), 24
electrocardiographic effects of alterations in concentration of plasma chemicals (Herndon et al.), 198
T-wave abnormalities in chronic chagasic myocarditis (Rosenbaum and Alvarez), 509
changes, primary (Bayley), 849
secondary (Bayley), 848
variant, possible significance of, as determined from its age distribution and prevalence prior to myocardial infarction (Fritz and Sjoerdsma), 203

U

Ulcers, leg, their causes and treatment, 162 (B. Rev.)

V

Valve function, relation of, to genesis of sharp first sound in mitral stenosis (Nichols et al.), 577
tricuspid, Ebstein's anomaly of: angiocardiographic diagnosis (Kistin et al.), 634
Valsalva's experiment, difference between simultaneously obtained pressures in right and left atrium, in beginning and end of (Table II) (Björk and Malmström), 743
simultaneous left and right atrial pressure curves during (Björk and Malmström), 742
Vascular disease, generalized, occurrence and possible significance of, in idiopathic cardiac hypertrophy (DeMuth and Landing), 643
diseases, peripheral, 161 (B. Rev.)
hypertension, essential, effect of oral 1-hydrazinophthalazine therapy on renal function in (Mader and Iseri), 556

Vascular —Cont'd
lesions, pulmonary, atrial septal defect complicated by, vectorcardiograms in (Richman and Wolff), 90
resistance, pulmonary, observations on effect of tetraethylammonium chloride on, in mitral stenosis (Scott et al.), 720

Vasopressor agents, effect of, during mitral commissurotomy (Table II) (Gross et al.), 377

Vector analysis of T-deflection of electrocardiogram (Bayley), 844

Vectorcardiogram, spatial, in congenital heart disease and right ventricular hypertrophy (Richman and Wolff), 85
study of electrocardiogram and, in congenital heart disease (Braunwald et al.), 591
(Donoso et al.), 674
III. Electrocardiographic and vectorcardiographic findings in various malformations (Braunwald et al.), 823

Vectorcardiograms and electrocardiogram, relative merits of, in detection of ventricular hypertrophy (Donoso et al.), 691
in atrial septal defect complicated by pulmonary vascular lesions (Richman and Wolff), 90
by ventricular septal defect (Richman and Wolff), 90
in isolated pulmonic stenosis and in pulmonic stenosis complicated by atrial septal defect (Richman and Wolff), 91
in operated cases of tetralogy of Fallot (Richman and Wolff), 93
in pulmonic stenosis complicated by ventricular septal defect or by patent ductus arteriosus (Richman and Wolff), 91
in uncomplicated atrial septal defect (Richman and Wolff), 87
in unoperated cases of tetralogy of Fallot (Richman and Wolff), 92
spatial, direct, variations in, resulting from altered placement of electrodes in cube system (Allenstein and Kornbluth), 382

Vectorcardiographic electrocardiographic and, diagnoses in various congenital cardiac malformations (Table V) (Braunwald et al.), 828
findings, electrocardiographic and, in various malformations (III); study of electrocardiogram and vectorcardiogram in congenital heart disease (Braunwald et al.), 823
in combined right-and-left ventricular hypertrophy (Richman and Wolff), 94
in isolated right ventricular hypertrophy (Richman and Wolff), 94

Vectors, lead, of multiple dipoles located on electrically homogenous circular lamina (Helm), 883

Velocity, transmission, pulse, contour of toe pulse, reactive hyperemia, and: group and repeat variability, effect of age, exercise, and disease (Simonson et al.), 260

Vena cava inferior ligation in congestive heart failure (Bernath et al.), 112

Venae cavae, aorta, and pulmonary artery, effects of occlusion of, on dog ballistocardiogram (Thomas et al.), 424
effects of occlusion of, on dog ballistocardiogram (Thomas et al.), 427
superior, double, Eisenmenger's complex accompanied by, left draining into left atrium (Haeger et al.), 471

Venous reflux in third heart sound (Dock et al.), 455

Ventricle, left, normal and dilated, theoretic considerations of time course of pressure developed and volume ejected by, during systole (Burch), 352

Ventricles, inflexions on curves of early diastolic expansion of (Dock et al.), 456

Ventricular aneurysm with calcification of heart (Aravanis and Luisada), 940
distensibility, impaired, pectus excavatum ("funnel breast"), cause of, as exhibited by right ventricular pressure pattern (Lyons et al.), 921
enlargement, left, in chronic chagasic myocarditis (Rosenbaum and Alvarez), 522
extrasystoles in chronic chagasic myocarditis (Rosenbaum and Alvarez), 513
fiber, average, excitation upon (Bayley), 847
hypertrophy, relative merits of vectorcardiograms and electrocardiogram in detection of (Donoso et al.), 691
right, spatial vectorcardiogram in congenital heart disease and (Richman and Wolff), 85
vectorcardiographic criteria for (II); study of electrocardiogram and vectorcardiogram in congenital heart disease (Donoso et al.), 674
involvement, miscellaneous electrocardiographic abnormalities indicating, in chronic chagasic myocarditis (Rosenbaum and Alvarez), 519
septal defect, atrial septal defect complicated by, vectorcardiograms in (Richman and Wolff), 90
biventricular origin of pulmonary trunk, and subaortic stenosis; complex of congenital cardiac anomalies (Becu et al.), 901
pulmonic stenosis complicated by, or by patent ductus arteriosus, vectorcardiograms in (Richman and Wolff), 91
shunt, left-to-right, pulmonic stenosis with (Contro and Brostoff), 543
wall, left, of dog, spread of activation in. IV. Two and three dimensional analysis (Durrer et al.), 860

Voltage, normal, limits of, in electrocardiogram (Table II) (Braunwald et al.), 825
Volume ejected, pressure developed and, by normal and dilated left ventricle during systole, theoretic considerations of time course of (Burch), 352

W

Wall, ventricular, left, of dog, spread of activation in. IV. Two and three dimensional analysis (Durrer et al.), 860
Water, cold, "hunting" phenomena, cooling, and rewarming rates of fingers exposed to, in individuals of different age groups (Table I) (Spurr et al.), 553
Wave, T, auricular, and its correlation to cardiac rate and to P wave (Gross), 24

Wenckebach periods, reverse: five cases of unstable form of partial auriculoventricular block (Berman), 211

Z

Zero and nonzero potential, normal potential variations on extremity, back, and precordial electrodes with reference to central terminals of (Bayley), 694

potential of heart's field, remarks on (Bayley), 699